NC/QC/W1/2022-23/LO/C1

Date: 05-04-2023

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	175 min	Shall not be less than 30 min
2	Final setting time	296 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.79 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	1.84 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.71 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

Compound Wall Northern Side

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬೦

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/W1/2022-23/LO/PCC1 **Date: 05-04-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.90	0 -20	30- 70
10mm	24.50	0 -5	10- 35
4.75mm	4.10	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.40	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	66.10	60-95	75-100	85-100	
01.18	62.80	30-70	55-90	75-100	
600.mic	41.50	15-34	35-59	60-79	
300.mic	17.90	5-20	8-30	12-40	
150.mic	8.40	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Compound Wall Northern Side

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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NC/QC/W1/2022-23/LO/PCC2 **Date: 10-04-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	65.80	0 -20	30- 70
10mm	29.70	0 -5	10- 35
4.75mm	3.80	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.10	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	79.50	60-95	75-100	85-100	
01.18	68.90	30-70	55-90	75-100	
600.mic	55.40	15-34	35-59	60-79	
300.mic	19.70	5-20	8-30	12-40	
150.mic	7.40	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Rcc Drain Doddbettahalli Govt School

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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NEWZEN CONSULTANT ★ Bangalore

NC/QC/W1/2022-23/LO/CE1

Date: 15-04-2023

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	185 min	Shall not be less than 30 min
2	Final setting time	271 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.94 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.06 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.11 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

Compound Wall Northern Side

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NC/QC/W1/2022-23/LO/FA1

Date: 15-04-2023

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**98.60**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.10**	60-95	75-100	85-100	
01.18	**79.40**	30-70	55-90	75-100	
600. mic	**58.40**	15.34	35-59	60-79	
300.mic	**25.90**	5-20	8-30	12-40	
150.mic	**6.30**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**18.15 %**	-----
2	Silt Content	----	**0.69 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.

Compound Wall Northern Side

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NEWZEN CONSULTANT Bangalore

NC/QC/W1/2022-23/LO/CA1

Date: 15-04-2023

1. **TESTING OF COARSE AGGREGATES (20 mm):**

Sub: Testing of Construction Materials.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	96.80	85-100	90 - 100
10 mm	51.20	0 - 20	25 - 55
4.75 mm	7.40	0 - 5	0 - 10

TABLE 1. 2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	23.90 %	Not to exceed 25 %
2.	Crushing value	28.10 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.

Compound Wall Northern Side

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NC/QC/W1/2022-23/LO/S1

Date: 15-04-2023

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 and 12 mm TMT Steel.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TABLE – 1

	Details	For 10 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
1	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	10.0 mm
2	Observed Wt/m Length **Kg/m**	**0.622**	0.567	**0.893**	0.854
3	Proof stress/Yield stress, fy , **N/mm^2**	**539.0**	500.0	**546.0**	500.0
4	Bend/ Re bend Test	**Ok**	---	**Ok**	---
5	Percentage of Elongation, %	**21.90**	12.00	**21.00**	12.00
6	Ultimate Tensile Strength **N/mm^2**	**631.0**	545.0	**639.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.

Compound Wall Northern Side

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NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/W1/2022-23/LO/SSM1

Date: 21-04-2023

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	1365.00 Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	0.46 %	Not more than 2.0 %

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NEWZEN CONSULTANT * Bangalore

NC/QC/W1/2022-23/LO/SB1

Date: 04-05-2023

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 150 X 200	**Solid**	60000	255	4.25	**4.28**
2	"	"	60000	245	4.08	
3	"	"	60000	270	4.50	

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NEWZEN CONSULTANT Bangalore

NC/QC/W1/2022-23/LO/SB2

Date: 06-05-2023

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 10 X 200	**Solid**	60000	260	4.33	**4.31**
2	,,	,,	60000	250	4.17	
3	,,	,,	60000	265	4.42	

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NEWZEN CONSULTANT Bangalore

NC/QC/W1/2022-23/LO/CB1

Date: 25-04-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-04-23	25-04-23	07	22500	355	15.78	**15.41**
	002	"	"	"	"	345	15.33	
	003	"	"	"	"	340	15.11	

The result of the materials tested meets the standards and hence can be used for the work.
Compound Wall Column Footing

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೧೮

NEWZEN CONSULTANT Bangalore

NC/QC/W1/2022-23/LO/CB1A

Date: 16-05-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-04-23	16-05-23	28	22500	460	20.44	21.11
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Compound Wall Column Footing

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NEWZEN CONSULTANT BANGALORE

NC/QC/W1/2022-23/LO/CB2

Date: 27-04-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-04-23	27-04-23	07	22500	350	15.56	16.07
	002	"	"	"	"	360	16.00	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work
Rcc Drain Doddbettahalli Govt School

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
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NEWZEN CONSULTANT BANGALORE

NC/QC/W1/2022-23/LO/CB3

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Date: 01-05-2023

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-04-23	01-05-23	07	22500	345	15.33	14.81
	002	"	"	"	"	325	14.44	
	003	"	"	"	"	330	14.67	

The result of the materials tested meets the standards and hence can be used for the work.
Compound Wall Coloumn Upto Plinth

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
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QC/W1/2022-23/LO/CB4A

TEST REPORT ON CEMENT CONCRETE CUBES: Date: 25-05-2023

: Testing of Concrete Cubes (for 28days Compressive Strength).
ect*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 e Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and kanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In pegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.
: Material testing/PMC/22-23,
ort Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
e of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

mensions of Specimen : 150 X 150 X 150mm
rade of Concrete* : M_{20}

LE 1.1:

Location/ dentification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
001	27-04-23	25-05-23	28	22500	485	21.56	21.19
002	"	"	"	"	475	21.11	
003	"	"	"	"	470	20.89	

result of the materials tested meets the standards and hence can be used for the work.
ound Wall Plinth Beam

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT Bangalore

NC/QC/W1/2022-23/LO/CB5

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Date: 09-05-2023

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
(Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-05-23	09-05-23	07	22500	345	15.33	15.85
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

The result of the materials tested meets the standards and hence can be used for the work.
Compound Wall Column Above Plinth

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/W1/2022-23/LO/CB5A

Date: 29-05-2023

. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 /aste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and anakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In empegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05
ef.: Material testing/PMC/22-23,
eport Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
ıme of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

)imensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

BLE 1.1:

Location/ dentification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
001	02-05-23	29-05-23	28	22500	470	20.89	21.04
002	"	"	"	"	485	21.56	
003	"	"	"	"	465	20.67	

esult of the materials tested meets the standards and hence can be used for the work.
ound Wall Column Above Plinth

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

N CONSULTANT BANGALORE, #304, First floor, 6th Cross,Gidadakonenahalli, Viswaneedam Post,
ngalore-560091. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/W1/2022-23/LO/S1

Date: 02-06-2023

TEST REPORT

Sub: Testing of Pre-cast Material-Precast Slab (100mm thick).

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. **PHYSICAL TESTS ON PRECAST SLAB:**

Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
50.00	90.00	0.462	2614.39	1.80	0.960	34.20	17.42	18.81	18.06	22.57
50.00	90.00	0.448	2535.16	1.80	0.960	33.90	17.27	18.65	17.90	22.38
50.00	90.00	0.457	2586.09	1.80	0.960	33.65	17.14	18.51	17.77	22.21

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Doddbettahalli Govt School

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/W1/2022-23/LO /DS1 **Date: 05-06-2023**

TEST REPORT

Sub: Testing of Pre-cast Material-Precast Slab (230mm thick).
{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. PHYSICAL TESTS ON PRECAST SLAB:

Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
100.00	180.00	3.451	2441.08	1.80	0.960	153.10	19.49	21.05	20.21	25.26
100.00	180.00	3.345	2366.10	1.80	0.960	152.00	19.35	20.90	20.07	25.08
100.00	180.00	3.318	2347.00	1.80	0.960	153.70	19.57	21.14	20.29	25.36

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Doddbettahalli Govt School

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೯೧

NEWZEN CONSULTANT BANGALORE, #304, First floor, 6th Cross,Gidadakonenahalli, Viswaneedam Post, Bangalore-560091. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

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NEW TECHNOLOGIES TO INNOVATE

C/QC/W1/2022-23/LO/K1 **Date: 06-06-2023**

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkatala Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. PHYSICAL TESTS ON KERB STONES :

a of ore D nm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
0.00	85.00	0.391	2342.76	1.70	0.960	30.60	15.58	16.83	16.16	20.20
0.00	85.00	0.388	2324.79	1.70	0.960	31.00	15.79	17.05	16.37	20.46
0.00	85.00	0.396	2372.72	1.70	0.960	29.70	15.13	16.34	15.68	19.60

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Doddbettahalli Govt School

NEWZEN CONSULTANT BANGALORE, #304, First floor, 6th Cross,Gidadakonenahalli, Viswaneedam Post,
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